# INSTRUCTIONS

-J04237 REV. 2012-07-16

# FRONT NINE-SPOKE WHEELS

## GENERAL

**⚠WARNING**

**Install only wheels and installation kits approved for your model motorcycle. Contact a Harley-Davidson dealer to verify fitment. Mismatching wheels and installation kits or installing wheels not approved for your model can cause loss of control, which could result in death or serious injury. (00610c)**

### Kit Number

41880-07, 41886-07, 41886-09, 43300114

### Models

For model fitment information, see the P&A Catalog or the Parts and Accessories section of www.harley-davidson.com.

*NOTE*

*Accessory hub caps are not compatible with this wheel.*

### Kit Contents

See Figure 1 and Service Parts Tables.

### Additional Parts Required

This kit includes the custom wheel only. Some kits also include a hub cap.

Proper installation of this kit requires the separate purchase of the following parts which are available at a Harley-Davidson dealer:

- Wheel Installation Kit (See Table 2 through Table 7 to determine required installation kit.)
- 10 Brake Disc/Hub Cap Screws (3655A) or 2 Chrome screw kits (46646-05)
- Wheel Bearing Remover and Installer (94134-09)
- Hub Cap (43986-00 - if installing Kit 41886-09 on a 2009 and Later TLE/U sidecar)

The following Harley-Davidson Genuine Motor Accessories are recommended for proper maintenance and cleaning:

- Harley® Bright™ Chrome Cleaner (94683-99) (not for use on kit 43300114)
- Harley® Glaze™ Polish and Sealant (99701-84)
- Harley® Wheel and Spoke Brush (43078-99)
- Harley-Davidson® Wheel and Tire Cleaner (94658-98)
- Harley® Preserve™ Bare Aluminum Protectant (99845-07)

**⚠WARNING**

**The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)**

*NOTE*

*This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a Harley-Davidson dealer.*

## INSTALLATION

*NOTES*

*Use plastic protectors on tire mounting tools and rim clamps when mounting a tire to a painted wheel.*

*When mounting tires, liberally use tire lube on the wheel and tire.*

*For tire removal, use plastic inserts between the rim and tire after breaking the bead to create a large enough gap for the rim clamps to get into.*

1. Remove existing front wheel assembly. Save axle, axle nut, brake disc, and wheel spacers for kit installation. Refer to FRONT WHEEL in service manual.

   **For FLSTC and FLSTN models:** Discard moon-style hub cap.

***NOTICE***

**Do not re-use brake disc/rotor screws. Re-using these screws can result in torque loss and damage to brake components. (00319c)**

*NOTE*

- *Install long valve stem (43206-01) included in the installation kit. Discard all other valve stems.*

2. See Figure 1. Install valve stem assembly (L, M or N) on wheel. Refer to TIRES in service manual.
3. Assemble wheel installation kit components and brake disc(s) to wheel, using the appropriate service parts table. Refer to FRONT WHEEL in service manual.

*NOTES*

*Install the primary bearing first with the WHEEL BEARING REMOVER/INSTALLER, following the service manual instructions.*

*The machined grooves in the hub face indicate the primary bearing side.*

*The front wheel should be installed so that the valve stem is on the right side of the motorcycle.*

4. Install wheel assembly parts from the appropriate service parts table for your fitment and stock brake disc(s). Discard parts from the installation kit that are not required. Refer to FRONT WHEEL in service manual.
5. **For FLSTC and FLSTN Models:** Install wheel kit and right side wheel spacer provided in kit installation.

   **All other models:** Install wheel spacers previously removed.
6. Install front wheel (1), stock axle and stock axle nut. Refer to FRONT WHEEL in service manual.
7. **For 2009-Later TLE/U Sidecars:** Assemble the sidecar brake disc and hub cap (purchased separately) to the wheel. The brake disc is to be installed on the side of the wheel opposite the valve stem. Install wheel according to the sidecar service manual.

## MAINTENANCE AND CLEANING

*NOTE*

*This wheel assembly includes plugs that have been installed in the openings between the brake disc mounting holes on one side of the wheel. Missing or damaged plugs can be replaced using the Wheel Plug Kit (41966-07).*

Chrome parts must be maintained regularly so they keep their original shine and luster.

1. Clean heavily-soiled wheel surfaces using Harley-Davidson Wheel and Tire Cleaner, applied with Harley Wheel and Spoke Brush.
2. Thoroughly clean chrome with a good quality chrome cleaner, such as Harley Bright Chrome Cleaner.
3. After cleaning and polishing, seal the finish with a good quality sealer, such as Harley Glaze Polish and Sealant.

## SERVICE PARTS

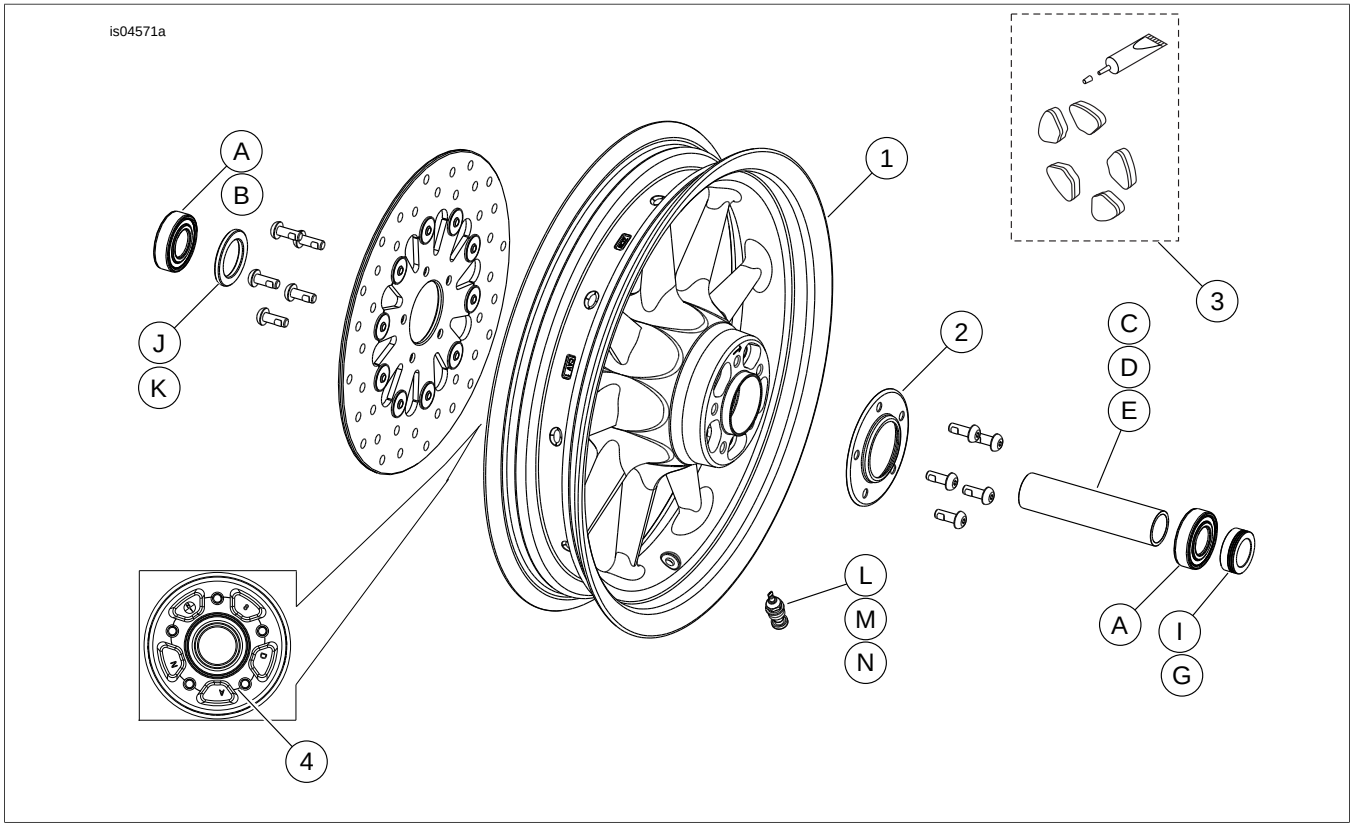


**Figure 1. Service Manual: Front Nine-Spoke Wheels**

**Table 1. Service Parts and Wheel Kit Contents**

| Kit | Item | Description (Quantity) | Part Number |
|---|---|---|---|
| 41886-07, 41886-09, 43300114 | 1 | Wheel | Not Sold Separately |
| | 3 | Plug service kit (not included in kit) | 41966-07 |
| 41880-07 | 1 | Wheel | Not Sold Separately |
| | 2 | Hub cap | 43986-00 |
| | 3 | Plug service kit (not included in kit) | 41966-07 |
| Visual indicator mentioned in text: | | | |
| | 4 | Machined groove (all wheels) | |

**Table 2. FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)**

| FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A) | | ITEM (Quantity Used and Description) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Fitment | Wheel Size | A | C | D | E | G | H | I | L | M |
| 2000-2006 FLST and FLSTF (except 2006 FLSTFSE2) | 16 x 3.0 in | 2 | 0 | 1 | 0 | 0 | 0 | 0 | * | * |
| 2000-2006 FLSTC and FLSTN | 16 x 3.0 in | 2 | 0 | 1 | 0 | 0 | 0 | 1 | * | * |
| 2006 FLSTFSEi | 17 x 3.5 in | 2 | 0 | 1 | 0 | 0 | 0 | 1 | * | * |
| 2008-later FLSTSB | 18 x 3.5 in | 2 | 0 | *** | 0 | *** | 0 | 0 | * | * |
| 2000-2007 XL; 2000-2003 Dyna (except FXDWG) | 19 x 2.5 in | 2 | 0 | 0 | 1 | 0 | 0 | 0 | * | * |
| 2000-2007 XL; 2000-2003 Dyna (except FXDWG) | 21 x 2.15 in | 2 | 0 | 0 | 1 | 0 | 0 | 0 | * | * |
| 2000-2006 FXST/B/C; 2000-2005 FXDWG** | 21 x 2.15 in | 2 | 1 | 0 | 0 | 0 | 0 | 0 | * | * |
| 2000-2006 FXSTS** | 21 x 2.15 in | 2 | 1 | 0 | 0 | 0 | 1 | 0 | * | * |

**Table 2. FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)**

| FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A) | | ITEM (Quantity Used and Description) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Fitment** | **Wheel Size** | **A** | **C** | **D** | **E** | **G** | **H** | **I** | **L** | **M** |
| 2000-2006 FXSTD (Except FXSTDSE)** | 21 x 2.15 in | 2 | 1 | 0 | 0 | 1 | 0 | 0 | * | * |

| | | |
|---|---|---|
| Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.<br>NOTES:<br>* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).<br>** The right side of the wheel is the primary bearing side for this fitment.<br>*** See INSTALLATION section for separate hardware kit to be used for FLSTSB models. | A | Bearing, regular (2) | 9267 |
| | C | Axle sleeve | 43536-00 |
| | D | Axle sleeve | 43608-00 |
| | E | Axle sleeve | 43613-00 |
| | G | Spacer, axle | 40910-00A |
| | H | Spacer, axle | 43313-98 |
| | I | Spacer, wheel | 43617-00A |
| | L | Valve stem, short | 43157-83A |
| | M | Valve stem, long | 43206-01 |

**Table 3. FRONT 1 Inch Bearing Wheel Installation Kit (43848-08A)**

| FRONT 1 Inch Bearing Wheel Installation Kit (43848-08A) | | ITEM (Quantity Used and Description) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Fitment** | **Wheel Size** | **A** | **C** | **D** | **E** | **F** | **L** | **M** |
| 2000-2007 Touring | 16 x 3.0 in | 2 | 1 | 0 | 0 | 0 | * | * |
| 2004-2007 Touring | 18 x 3.5 in | 2 | 1 | 0 | 0 | 0 | * | * |
| 2004-2005 Dyna (except FXDWG) | 19 x 2.5 in | 2 | 0 | 0 | 0 | 1 | * | * |
| 2006-2007 Dyna (except FXDWG) | 19 x 2.5 in | 2 | 0 | 0 | 1 | 0 | * | * |
| 2002-2007 VRSC | 19 x 3.0 in | 2 | 0 | 0 | 1 | 0 | * | * |
| 2006-2007 FXDWG** | 21 x 2.15 in | 2 | 0 | 1 | 0 | 0 | * | * |
| 2004-2005 Dyna (except FXDWG) | 21 x 2.15 in | 2 | 0 | 0 | 0 | 1 | * | * |

| | | |
|---|---|---|
| Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.<br>NOTES:<br>* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).<br>** The right side of the wheel is the primary bearing side for this fitment. | A | Bearing, regular (2) | 9247 |
| | C | Axle sleeve | 43517-00 |
| | D | Axle sleeve | 43633-06 |
| | E | Axle sleeve | 43641-01 |
| | F | Axle sleeve | 43755-04 |
| | L | Valve stem, short | 43157-83A |
| | M | Valve stem, long | 43206-01 |

**Table 4. FRONT 25 mm Bearing Wheel Installation Kit (41455-08C)**

| FRONT 25 mm Bearing Wheel Installation Kit (41455-08C) | | ITEM (Quantity Used and Description) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Fitment** | **Wheel Size** | **A** | **C** | **D** | **J** | **K** | **L** | **M** | **N** |
| 2008 Touring; 2009 and later FLHRC (non-ABS) and Trike (non-ABS) | 16 x 3.0 in | 2 | 0 | 1 | 0 | 1 | * | * | * |
| 2009 and later Touring (non-ABS) | 17 x 3.0 in | 2 | 0 | 1 | 0 | 0 | * | * | * |
| 2008 and later Touring (non-ABS) | 18 x 3.5 in | 2 | 0 | 1 | 0 | ** | * | * | * |
| 2008 and later Dyna (except FLD, FXDWG and FXDF) | 19 x 2.5 in | 2 | 1 | 0 | ** | 0 | * | * | 0 |
| 2008 and later VRSCAW, VRSCD, VRSCF and VRSCDX (non-ABS) | 19 x 3.0 in | 2 | 1 | 0 | ** | 0 | * | * | 0 |
| 2009 and later Touring (non-ABS) | 19 x 3.5 in | 2 | 0 | 1 | 0 | 0 | * | * | * |

Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.
NOTES:
* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).
** See *NOTES* for your wheel kit above the wheel assembly step in INSTALLATION to determine if bearing shim is used for your particular wheel kit and fitment.
*** Bearing shim installed under the primary bearing.

| | | |
|---|---|---|
| A | Bearing, regular (2) | 9276 |
| C | Axle sleeve | 41748-08 |
| D | Axle sleeve | 41900-08 |
| J | Bearing shim*** | 41450-08 |
| K | Bearing shim*** | 43903-08 |
| L | Valve stem, short | 43157-83A |
| M | Valve stem, long | 43206-01 |
| N | Valve stem, pull thru | 40999-87 |

**Table 5. FRONT 25 mm Bearing Wheel Installation Kit (43851-11A)**

| FRONT 25 mm Bearing Wheel Installation Kit (43851-11A) | | ITEM (Quantity Used and Description) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Fitment** | **Wheel Size** | **A** | **C** | **G** | **H** | **J** | **L** | **M** | **N** |
| 2007 and later FLSTC, FLSTN and FLS (non-ABS) | 16 x 3.0 in | 2 | 1 | 0 | 1 | 1 | * | * | * |
| 2008 and later FXDF | 16 x 3.0 in | 2 | 1 | 0 | 0 | 0 | * | * | * |
| 2007 and later FLSTF and FLSTFB (non-ABS) | 17 x 3.5 in | 2 | 1 | 0 | 0 | 0 | * | * | * |
| 2008 and later FLSTF and FLSTFB (non-ABS) | 18 x 3.5 in | 2 | 1 | 0 | 0 | 0 | * | * | * |
| 2008 and later FXDF; 2012 and later FLD | 18 x 3.5 in | 2 | 1 | 0 | 0 | 0 | * | * | * |
| 2007 and later FXS, FXST/B/C (non-ABS); 2008 and later FXDWG*** | 21 x 2.15 in | 2 | 1 | 0 | 0 | 1 | * | * | * |
| 2007 FXSTD*** | 21 x 2.15 in | 2 | 1 | 1 | 0 | 1 | * | * | * |

Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.
NOTES:
* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).
** Bearing shim installed under the primary bearing.
*** The left side of the wheel is the primary bearing side for this fitment.

| | | |
|---|---|---|
| A | Bearing, regular (2) | 9276 |
| C | Axle sleeve | 41349-07 |
| G | Spacer, axle | 41504-07 |
| H | Spacer, axle | 41695-07 |
| J | Bearing shim** | 43315-07 |
| L | Valve stem, short | 43157-83A |
| M | Valve stem, long | 43206-01 |
| N | Valve stem, pull-thru | 40999-87 |

**Table 6. FRONT 25 mm Bearing ABS Wheel Installation Kit (41454-08B)**

| FRONT 25 mm Bearing ABS Wheel Installation Kit (41454-08B) | | ITEM (Quantity Used and Description) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Fitment | Wheel Size | A | B | C | D | J | K | L | M | N |
| 2008 Touring and 2009 and later FLHRC with ABS | 16 x 3.0 in | 1 | 1 | 0 | 1 | 0 | 1 | * | * | 0 |
| 2009 and later Touring with ABS | 17 x 3.0 in | 1 | 1 | 0 | 1 | 0 | 0 | * | * | * |
| 2008 and later Touring with ABS | 18 x 3.5 in | 1 | 1 | 0 | 1 | ** | ** | * | * | * |
| 2012 and later Dyna with ABS (Except FLD, FXDWG and FXDF) | 19 x 2.5 in | 1 | 1 | 1 | 0 | ** | ** | * | * | 0 |
| 2008 and later VRSCAW, VRSCD, VRSCF and VRSCDX with ABS | 19 x 3.0 in | 1 | 1 | 1 | 0 | ** | ** | * | * | 0 |
| 2009 and later Touring with ABS | 19 x 3.5 in | 1 | 1 | 0 | 1 | 0 | 0 | * | * | * |

Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.
NOTES:
* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).
** See *NOTES* for your wheel kit above the wheel assembly step in INSTALLATION to determine which bearing shim to use for your particular wheel kit and fitment.
*** Red side of bearing must be installed toward the wheel. The ABS bearing is primary.
**** Bearing shim installed under the primary bearing.

| | | |
|---|---|---|
| A | Bearing, regular | 9276 |
| B | Bearing, ABS*** | 9252 |
| C | Axle sleeve | 41748-08 |
| D | Axle sleeve | 41900-08 |
| J | Bearing shim**** | 41450-08 |
| K | Bearing shim**** | 43903-08 |
| L | Valve stem, short | 43157-83A |
| M | Valve stem, long | 43206-01 |
| N | Valve stem, pull thru | 40999-87 |

**Table 7. FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)**

| FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A) | | ITEM (Quantity Used and Description) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fitment | Wheel Size | A | B | C | D | G | J | K | L | M | N |
| 2011 and later FLSTC, FLSTN and FLS with ABS | 16 x 3.0 in | 1 | 1 | 1 | 0 | 1 | 0 | 1 | * | * | * |
| 2012 and later FXDF with ABS | 16 x 3.0 in | 1 | 1 | 1 | 0 | 0 | 0 | 0 | * | * | * |
| 2011 and later FLSTF and FLSTFB with ABS | 17 x 3.5 in | 1 | 1 | 1 | 0 | 0 | 0 | 0 | * | * | * |
| 2011 and later FLSTF and FLSTFB with ABS | 18 x 3.5 in | 1 | 1 | 1 | 0 | 0 | 0 | 0 | * | * | * |
| 2012 and later FXDF and FLD with ABS | 18 x 3.5 in | 1 | 1 | 1 | 0 | 0 | 0 | 0 | * | * | * |
| 2011 and later FXCWC with ABS | 19 x 2.15 in | 1 | 1 | 0 | 1 | 0 | 0 | 0 | * | * | * |
| 2011 and later FXCWC with ABS | 19 x 2.5 in | 1 | 1 | 0 | 1 | 0 | 1 | 0 | * | * | * |
| 2011 and later FXS, FXST and 2012 and later FXDWG with ABS | 21 x 2.15 in | 1 | 1 | 1 | 0 | 0 | 0 | 1 | * | * | * |

Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.
NOTES:
* See *NOTE* above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).
** Red side of bearing must be installed toward the wheel. The ABS bearing is the primary bearing.
*** Bearing shim installed under the primary bearing.

| | | |
|---|---|---|
| A | Bearing, regular | 9276 |
| B | Bearing, ABS** | 9252 |
| C | Axle sleeve | 41349-07 |
| D | Axle sleeve | 41548-08 |
| G | Spacer | 41695-07 |
| J | Bearing shim*** | 41448-08 |
| K | Bearing shim*** | 43315-07 |
| L | Valve stem, short | 43157-83A |
| M | Valve stem, long | 43206-01 |
| N | Valve stem, pull-thru | 40999-87 |